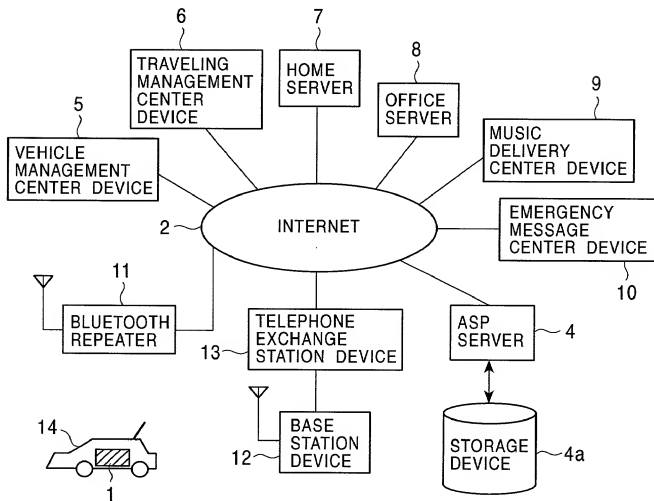


FIG. 1



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FIG. 2

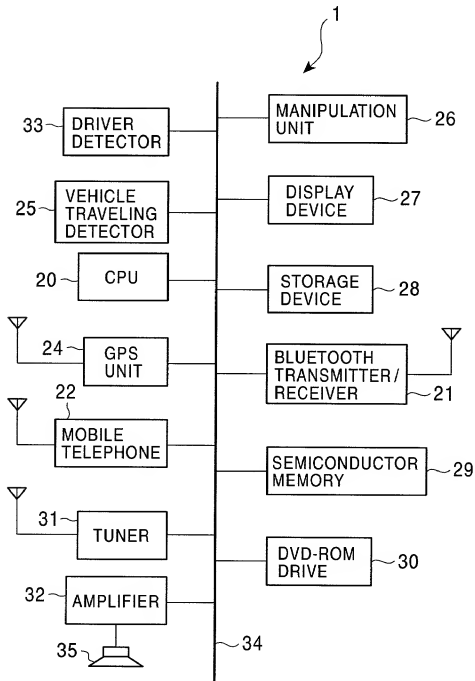
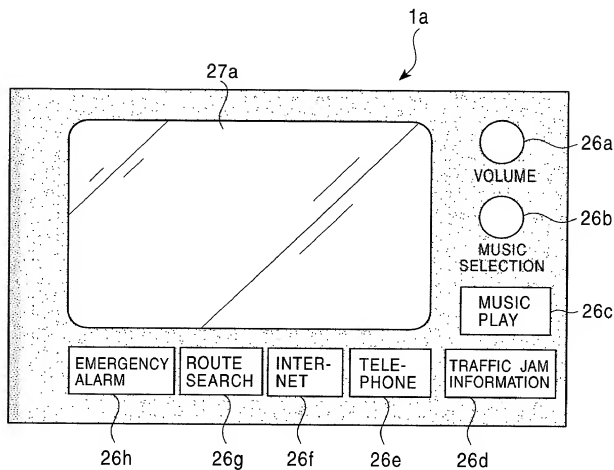


FIG. 3



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FIG. 4A

MUSIC PLAY

INTERNET RADIO
MP3 DATA
GROUND WAVE

RETURN

FIG. 4B

TRAFFIC JAM
INFORMATION

RADIO
INTERNET
VICS
PREDICTION FROM PAST DATA
ATIS
SPEEDWAY PUBLIC CORPORATION
GUIDE

RETURN

FIG. 4C

TELEPHONE

CONTACT ADDRESS LIST

RETURN

FIG. 4D

ROUTE SEARCH

DEPARTURE
DESTINATION
DATE AND TIME
LOCATION
CONDITION
PAST RECORD

RETURN

FIG. 4E

EMERGENCY ALARM

ACCESS POINT
EMERGENCY CENTER
AMBULANCE
POLICE
INSURANCE COMPANY
REPAIR SHOP

RETURN

000110001100001

FIG. 5A

CAR PROFILE DATABASE

USER

PASSWORD

FIG. 5B

CAR PROFILE DATABASE

APPLICATION
DATABASE
USER SETTING
UPDATE DATA

FIG. 5C

APPLICATION

TRAVELING MANAGEMENT
EMERGENCY ALARM
MUSIC DELIVERY
ANTI-THEFT
VEHICLE MANAGEMENT
PUBLIC TELEPHONE
ROUTE SEARCH
MAIL

FIG. 5D

DATA BASE

VEHICLE DATA
TRAVELING DATA
DRIVER DATA
MUSIC DATA
ADDRESS BOOK
MAP DATA

FIG. 5E

USER SETTING

SET ACCESS RIGHT
ADD NEW USER
CHANGE USER DATA
SET ACCESS POINT

FIG. 5F

UPDATE DATA

UNCONDITIONAL UPDATE
(DATA MOVE)
CONDITIONAL UPDATE
(DESTINATION)
CONDITIONAL UPDATE
(COMMUNICATION CONDITION)
ERASE (FORMAT)

FIG. 6A

TRAVELING MANAGEMENT

MAP

RETURN

FIG. 6B

EMERGENCY ALARM

SERVICE CENTER
COMMUNICATION
MAIL TRANSMISSION ADDRESS
SENT DATA :
VEHICLE, DRIVER DATA

RETURN

FIG. 6C

MUSIC DELIVERY

INTERNET RADIO

CH	URL
1	*****
2	*****
3	*****
4	*****

PROGRAM RESER-
VATION
DATE AND TIME

* * URL
 * * * * *

RETURN

FIG. 6D

ANTI-THEFT

CABIN TROUBLE SENSOR
TRAVELING REGION
USED TIME
DRIVER
CONTACT ADDRESS
SENT DATA :
VEHICLE, CURRENT POSITION,
ROUTE

RETURN

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FIG. 6E

VEHICLE MANAGEMENT	
GAS SUPPLY	
DATE AND TIME, OIL SUPPLY,	
LOCATION, FUEL EFFICIENCY	
OIL EXCHANGE	
PARTS	
CHECK (MAINTENANCE INFORMATION)	
START ENGINE	
START AIR CONDITIONER	RETURN

FIG. 6F

ROUTE SEARCH	
DEPARTURE	MAP
DESTINATION	
DATE AND TIME	
LOCATION	
CONDITION	
PAST INFORMATION	
SEND RESULT TO VEHICLE	RETURN

FIG. 6G

MAIL	
NAME	ADDRESS
****	*****
****	*****
****	*****
****	*****
RETURN	

FIG. 6H

PUBLIC TELEPHONE	
NAME	TELEPHONE
****	*****
****	*****
****	*****
****	*****
RETURN	

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FIG. 7A

VEHICLE DATA

BODY NUMBER
 COLOR
 MODEL
 OWNER

MAINTENANCE INFORMATION

RETURN

FIG. 7B

TRAVELING DATA

CURRENT POSITION
 EAST LONGITUDE *****
 NORTH LATITUDE *****

DATE AND TIME	TIME	LOCA- TION	SPEED	CONDI- TION
**	**	**	**	**
**	**	**	**	**

RETURN

FIG. 7C

DRIVER DATA

NAME
 BLOOD TYPE
 SEX
 AGE
 HEIGHT
 WEIGHT
 COMMUNICATION

HEAD

RETURN

FIG. 7D

MUSIC DATA

NO.	TITLE	DURATION
1	*****	****
2	*****	****
3	*****	****
4	*****	****
5	*****	****
6	*****	****

DOWNLOAD

UPLOAD

RETURN

FIG. 7E

MAP DATA

MAP NAME	UPDATED DATE
SOUTH KANTO REGION	**,**
NORTH KANTO REGION	**,**
TOKYO METROPOLITAN	**,**
KAWASAKI CITY	**,**
SAITAMA PREFECTURE	**,**
NIIGATA PREFECTURE	**,**

RETURN

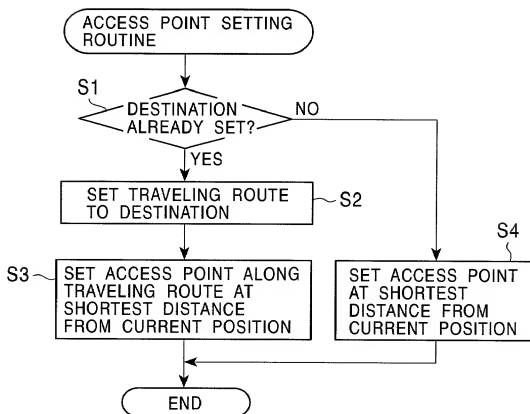
FIG. 7F

ADDRESS BOOK

NAME	TELEPHONE	ADDRESS
**	**	****
**	**	****
**	**	****

RETURN

FIG. 8



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FIG. 9

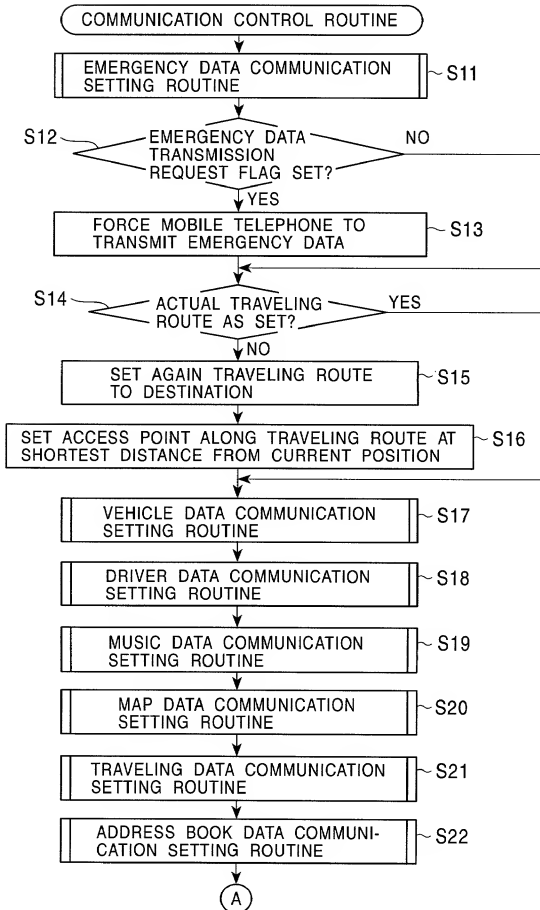
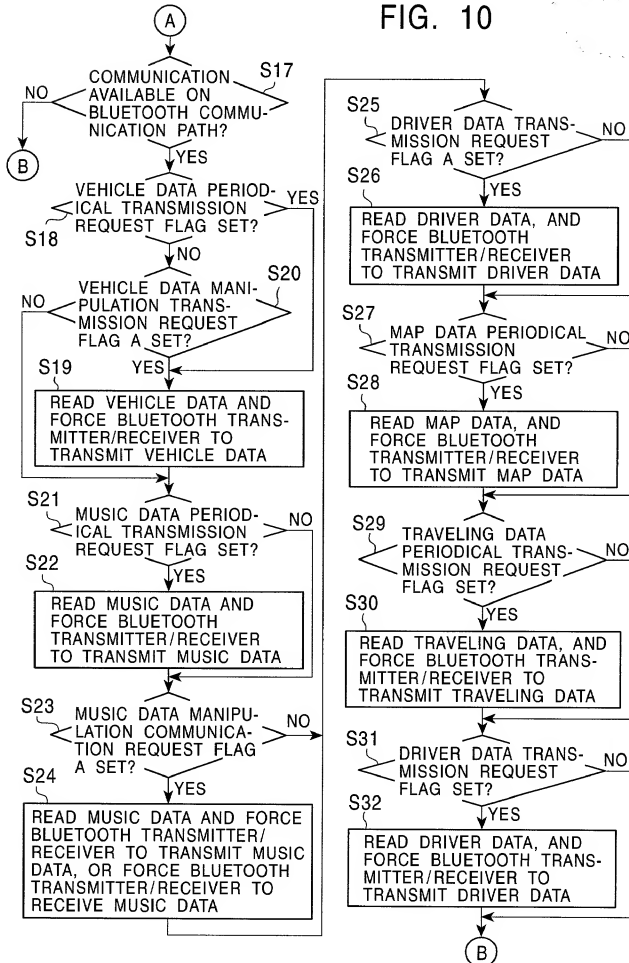
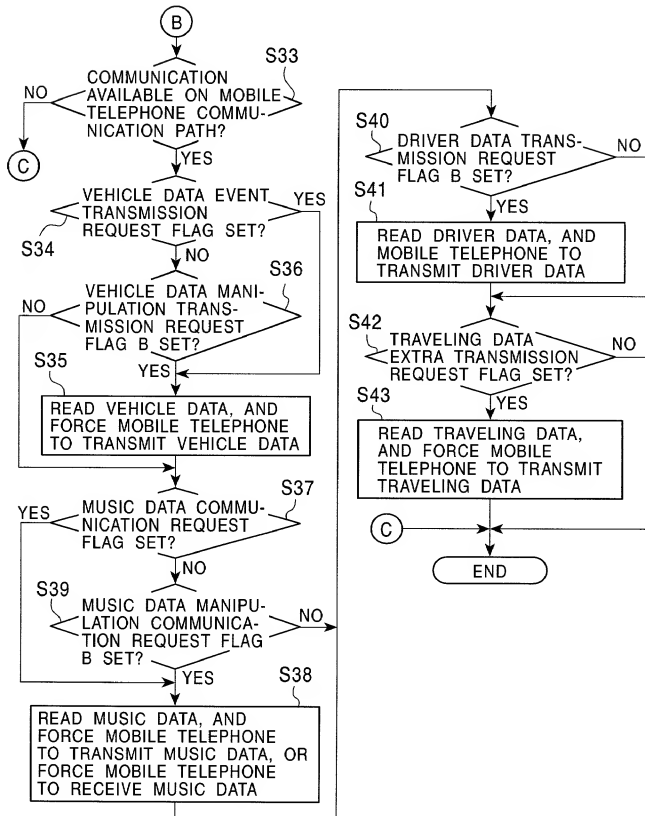


FIG. 10



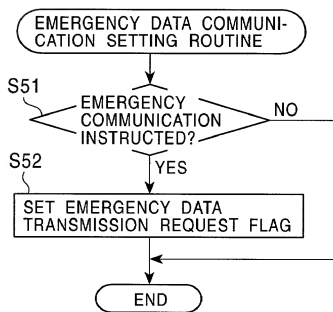
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FIG. 11



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FIG. 12



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FIG. 13

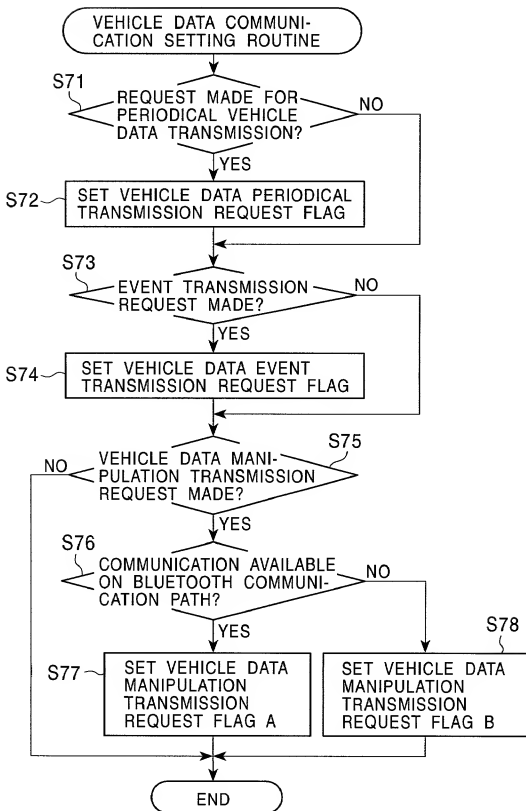
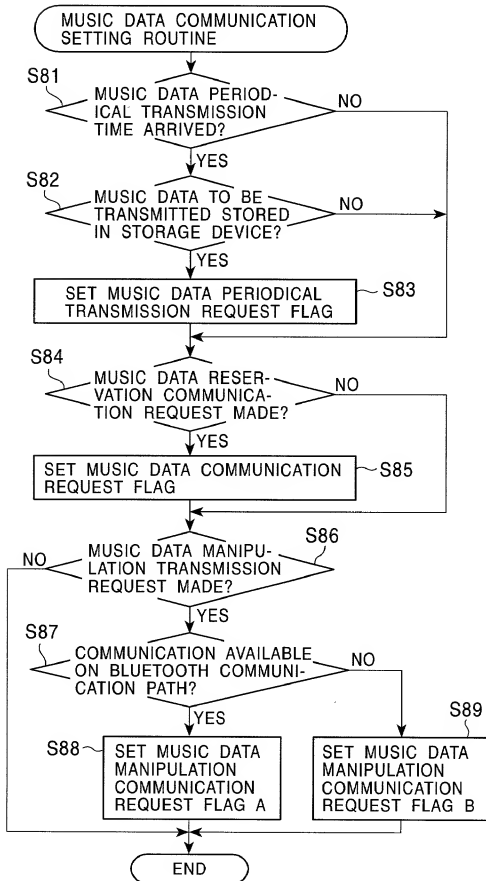


FIG. 14

TYPE	UPDATE CYCLE	PRECEDING UPDATE DATE AND TIME
VEHICLE DATA	ONE WEEK	XXXX : YY : ZZ 12:10
DRIVER DATA	START OF VEHICLE	XXXX : YY : ZZ 11:03
MUSIC DATA	TWICE A DAY	XXXX : YY : ZZ 12:00
MAP DATA	ONCE A MONTH	XXXX : YY : ZZ 09:45
TRAVELING DATA	EVERY 10 MINUTES	XXXX : YY : ZZ 12:50
ADDRESS BOOK DATA	ONCE A DAY	XXXX : YY : ZZ 10:10
EMERGENCY DATA	OCCURRENCE OF EMERGENCY	XXXX : AY : GH 17:30

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FIG. 15



END

FIG. 15

FIG. 16

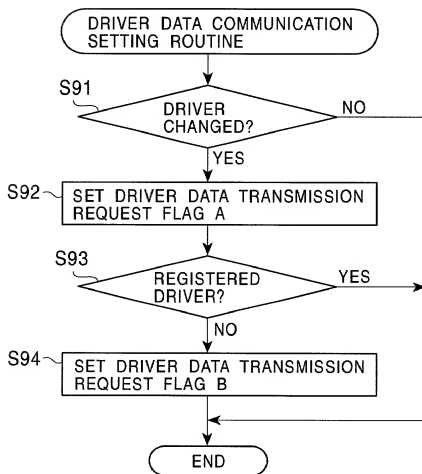


FIG. 17

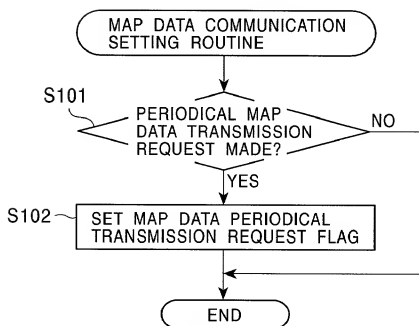
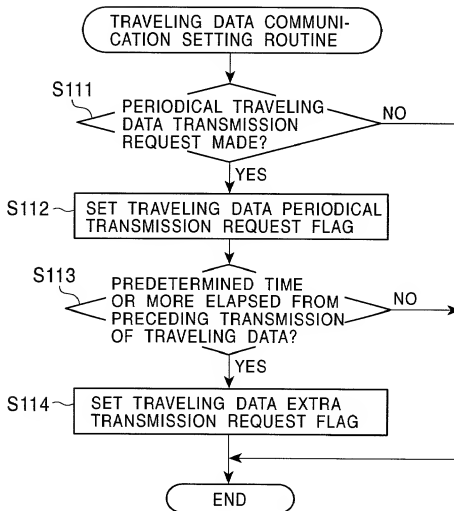


FIG. 18



09/961,282

FIG. 19

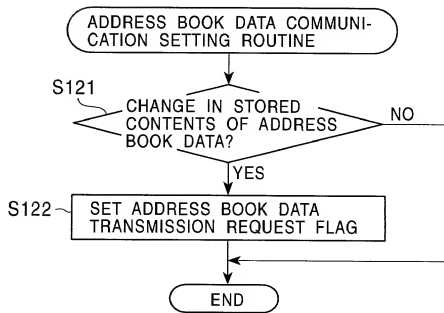


FIG. 20

DEVICE OR SERVER TYPE	VEHICLE MANAGEMENT CENTER DEVICE	TRAVELING MANAGEMENT CENTER DEVICE	HOME SERVER	OFFICE SERVER	MUSIC DELIVERY CENTER DEVICE	EMERGENCY MESSAGE CENTER DEVICE
VEHICLE DATA	○	○	○	○	×	○
DRIVER DATA	○	○	○	○	○	○
MUSIC DATA	×	×	○	○	○	×
MAP DATA	×	○	○	○	×	○
TRAVELING DATA	○	○	○	×	×	○
ADDRESS BOOK DATA	×	×	○	○	×	×
EMERGENCY DATA	×	×	○	×	×	○

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FIG. 21

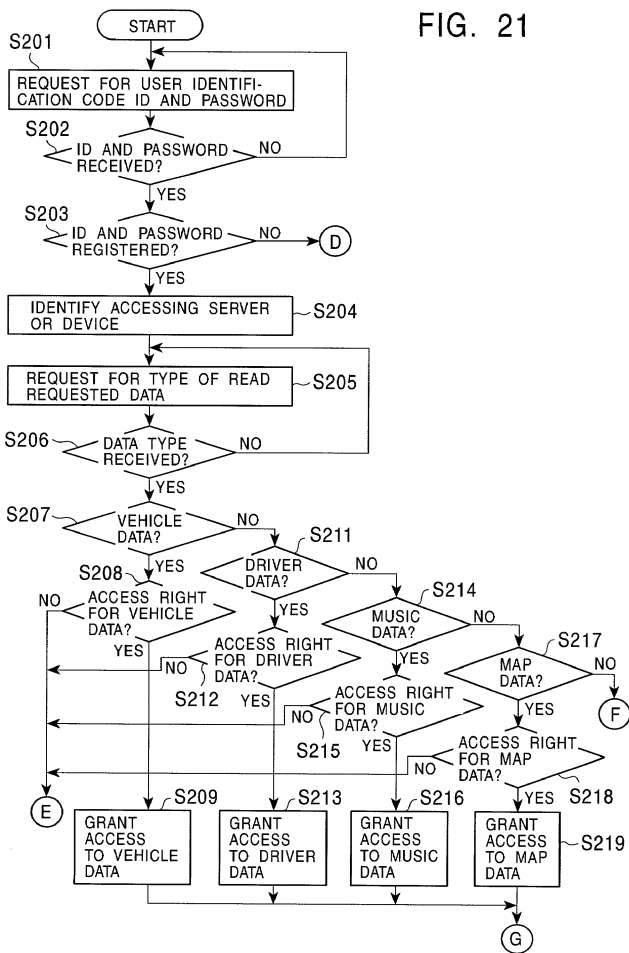


FIG. 22

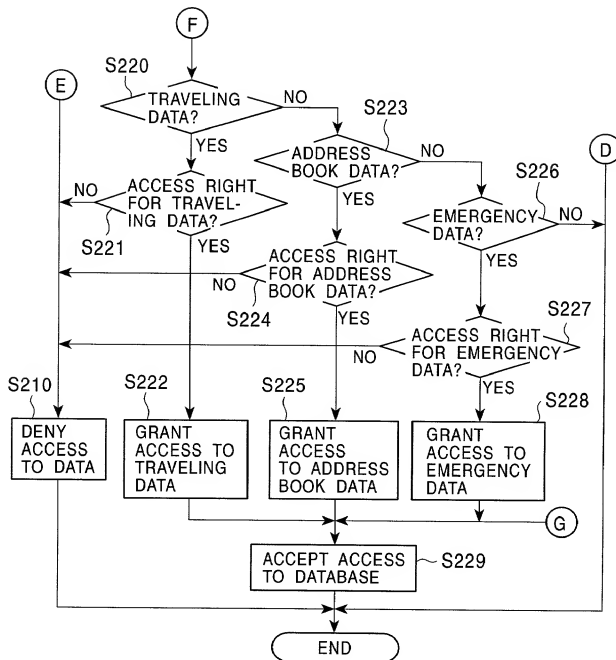
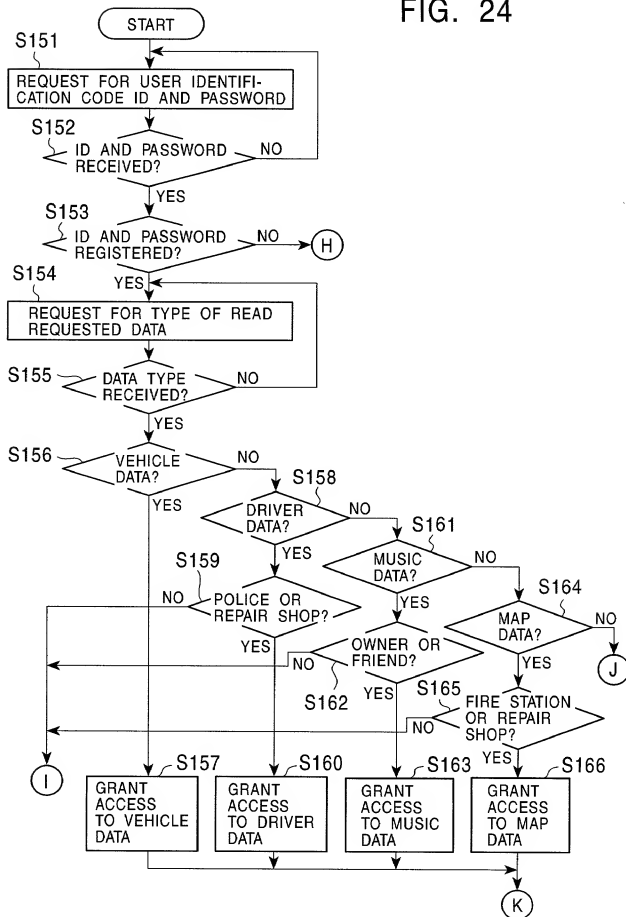


FIG. 23

USER GROUP TYPE	OWNER	FAMILY MEMBER	FRIEND	SECURITY COMPANY	POLICE	FIRE STATION	REPAIR SHOP
VEHICLE DATA	○	○	○	○	○	○	○
DRIVER DATA	○	○	○	○	×	○	×
MUSIC DATA	○	×	○	×	×	×	×
MAP DATA	○	○	○	○	○	×	×
TRAVELING DATA	○	○	×	×	×	×	○
ADDRESS BOOK DATA	○	×	×	×	×	×	×

FIG. 24



0961282.123104

FIG. 25

